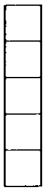


HELPPP.....

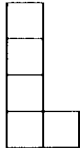
*Emily Liechty – 5th Grade
Union School
College Corner, OH 45003*

Our teacher, Mrs. Hooven, thinks yard sales are the greatest thing in the world! We no longer bother to ask where things come from, because the answer is always the same!

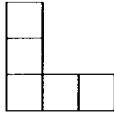
This time she bought a math puzzle called "Pentominoes". The shapes are each made up of five squares, attached by an entire edge. There are only twelve possible arrangements. We've been at this so long, we've actually named the shapes.



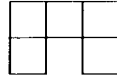
**Straight
Piece**



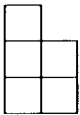
L



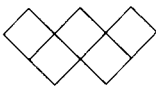
**Right
Angle**



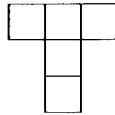
Fireplace



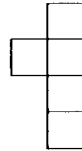
Chair



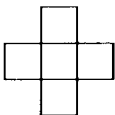
W



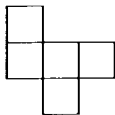
T



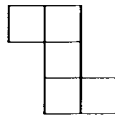
**Mail
Box**



Cross



**Dead
End**



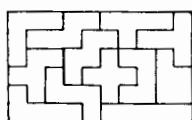
Z



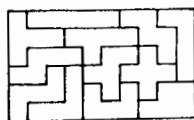
Step

These shapes were neatly arranged in a six by ten box. Our teacher told us there were over two thousand possible ways to put these back in the box. (We know better than to believe everything she tells us!) Sooo we got busy. One thing we have found out, it is possible to have a nervous breakdown in the fifth grade. WE NEED HELP!

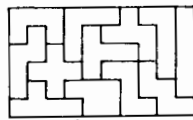
Please can you find some solutions to add to our list of only sixty?



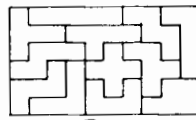
PAETRA



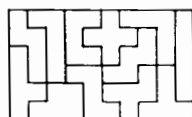
JIMMY



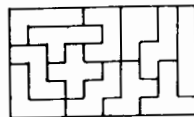
EMILY



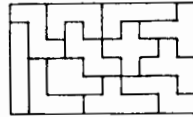
BETH



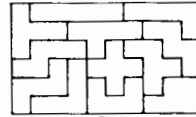
JOHN



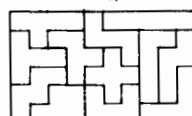
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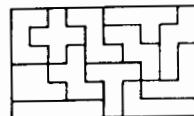
LISA-PAETRA



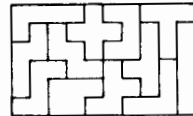
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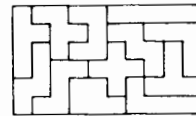
GARY



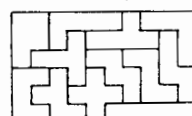
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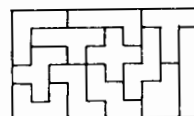
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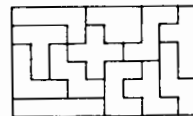
JOHN-ANDREW



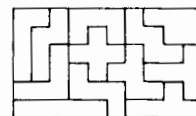
BOB



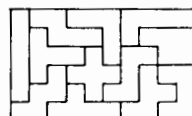
JOHN



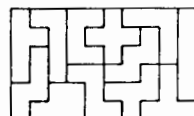
EMILY



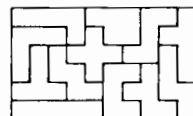
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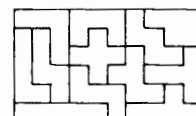
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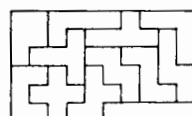
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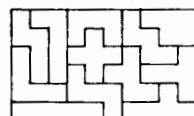
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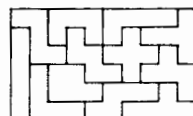
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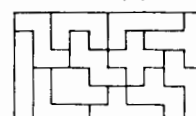
BRIAN



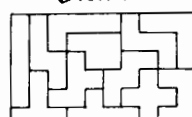
JILL-PAETRA



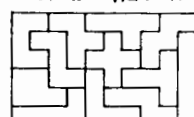
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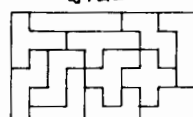
PAETRA



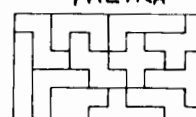
JENNY-LACRISHA



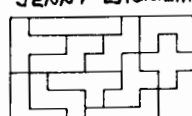
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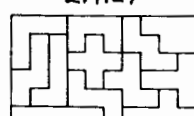
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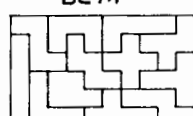
DANNY



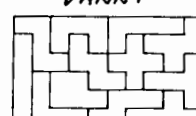
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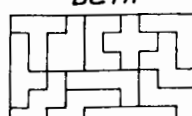
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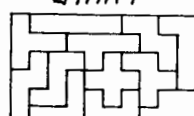
BRIAN



BRIAN



BRIAN



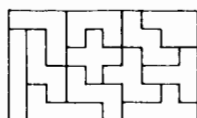
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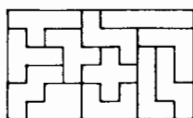
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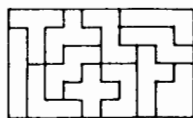
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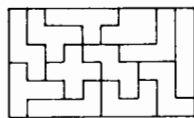
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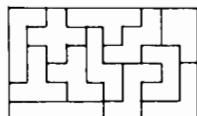
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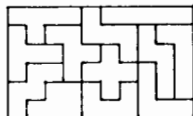
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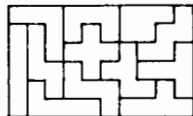
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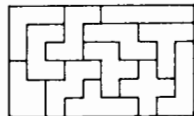
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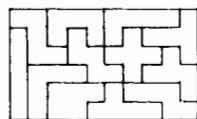
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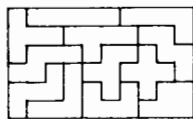
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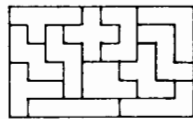
REGINA



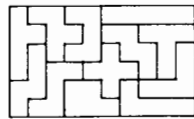
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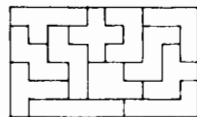
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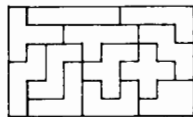
BETH-TOMMY



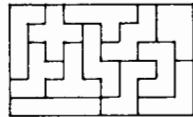
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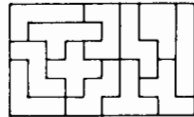
GARY



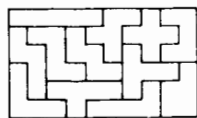
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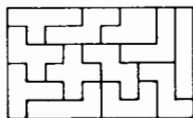
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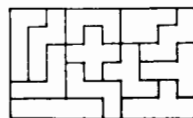
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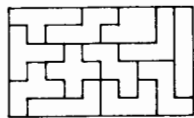
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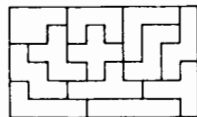
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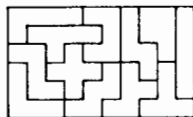
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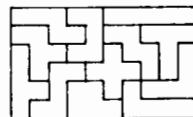
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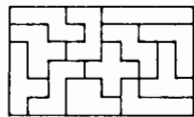
TOMMY



BETH



BETH



BETH

Dear Emily,

Congratulations! You and your classmates have done well to find sixty solutions to this puzzle. Happy hunting!

The Editors